



PATENT Attorney Docket No. 501826 Client Reference No. XS2230

Group Art Unit: Unknown

Examiner: Unknown

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Tim Warlick

Application No. 10/765,803

Filed: January 27, 2004

For: METHOD AND APPA

METHOD AND APPARATUS FOR CONTROLLING MICRO PILOT FUEL INJECTION TO MINIMIZE NOx AND

UHC EMISSIONS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Pursuant to 37 CFR 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 and/or Substitute Form PTO-1449 ("Form 1449") are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form 1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form 1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Information Disclosure Statement is being filed:

within any one of the following time periods: (a) within three months of the filing date of a national application other than a continued prosecution application under

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	37 CFR 1.53(d); (b) within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 of an international application; (c) before the mailing date of a first Office Action on the merits; or (d) before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.				
	37 CFI	(a), (b), (c) or (d) above, but before the mailing date of a final action under R 1.113, a Notice of Allowance under 37 CFR 1.311, or an action that rise closes prosecution in the application, and includes <i>one</i> of:			
		the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below).			
	\Box	the fee of \$180 set forth in 37 CFR 1.17(p) (see "Fees" below).			
	and or 37 CFI	the mailing date of a final action under 37 CFR 1.113 or a Notice of Allowance 37 CFR 1.311, or an action that otherwise closes prosecution in the application, or before payment of the issue fee, and includes the Statement under R 1.97(e) (see "Statement under 37 CFR 1.97(e)" below), and the fee of \$180 as the in 37 CFR 1.17(p) (see "Fees" below).			
	after the mailing date of a Notice of Allowance under 37 CFR 1.311, and on or before payment of the issue fee, and within thirty days of receiving each item of information contained in the Information Disclosure Statement, and includes the Statement under 37 CFR 1.704(d) (see "Statement under 37 CFR 1.704(d)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below). NOTE: This is for original applications except applications for a design patent, filed on or after May 29, 2000, wherein a paper containing only an Information Disclosure Statement in compliance with 37 CFR 1.97 and 1.98 is being filed.				
Copie	s of the	References			
	Copies herewit	of all of the references listed on the enclosed Form 1449 are enclosed th.			
\boxtimes	patents enclose	atent application was filed after June 30, 2003. Accordingly, copies of U.S. and patent application that are listed on the accompanying Form 1449 are not ded herewith (see Official Gazette Notice of August 5, 2003). Copies of other ces identified on the accompanying Form 1449 are enclosed herewith.			
	an Eng action degree	ed to each reference not in the English language is a concise explanation of the ce pursuant to 37 CFR 1.98(a)(3). An English-language equivalent/patent, or lish-language abstract, or an English-language version of the search report or by a foreign patent office in a counterpart foreign application indicating the of relevance found by the foreign office is being submitted in lieu of a concise ation of the relevance pursuant to 37 CFR 1.98(a)(3).			
	А сору	of the foreign search report is enclosed herewith.			

In re A	Appln. of Tim Warlic cation No. 10/765,80	ek 93					
	furnished at that a submitted herewith The Examiner is accordance with a Procedure. In according to the procedure of the proc	ted on the enclosed Forms) of the present application. Accordingly, add a, so as not to burden the respectfully requested the requirements set our dance with 37 CFR 1.98 an earlier filing date underviously furnished are set	ation, and copies of the distribution of the distribution of the Ma (d), the details ler 35 USC 1	pies of the reference of the reference copies review the nual of Pates of the parence control of the parence contr	references were erences are not s of references. references in tent Examining		
	U.S. APPLI	CATIONS	St	atus (check o	ne)		
	S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED		
1.							
2.							
3.							
State	ment under 37 CFR						
	Information Disclo	hereby states that each osure Statement was fince in a counterpart foreign filing of the Information	st cited in a grant patent appl	ny commun ication not r	ication from a		
	The undersigned hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.						
Staten	nent under 37 CFR	1.704(d)					
	The undersigned hereby states that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.						
Fees							
\square	No fee is owed by the IDS Fee of \$18	ne applicant(s). O under 37 CFR 1.17(p)	is enclosed he	rewith.			

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Meth	od of Payment of Fees
	Charge Deposit Account No. 12-1216 in the amount of \$. (A duplicate copy of this communication is enclosed for that purpose.)
Auth	orization to Charge Additional Fees
\boxtimes	If any additional fees are owed in connection with this communication, please charge Deposit Account No. 12-1216. (A duplicate copy of this communication is enclosed for that purpose.)
Instr	uctions as to Overpayment
\boxtimes	Credit Account No. 12-1216. Refund
	Kevin L. Wingate, Reg. 10. 38662 LEYDIG, VOIT & MAYER, LTD. 68.15 Weaver Road Suite 300 Rockford, Illinois 61114, 8018

Date: June 22, 2004

CERTIFICATE OF MAILING

I hereby certify that this INFORMATION DISCLOSURE STATEMENT (along with any documents referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: June 22, 2004

Linda Sovensor

(815) 963-7661 (telephone) (815) 963-7664 (facsimile)

Please type a plus sign (+) inside this box ->
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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)							
Sheet	1	of	1				

Complete if Known					
Application Number	0/765,803				
Filing Date	January 27, 2004				
First Named Inventor	Tim Warlick				
Group Art Unit					
Examiner Name					
Attorney Docket Number	501826				

				U.S. PATENT DOCUMENTS		
Examiner Initials	Doc. No.	U.S. Patent Do	cument			
		Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		5,450,829		Beck	09/19/1995	
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				FOREIGI	N PATENT DOCUMENTS				
			F	oreign Patent Documer	nt			Trans	slation
Examiner Initials	Doc. No.	Office	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Yes	No*+	
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		OTHER - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Doc.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item		slation
	No.	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Yes	No*+
		Pierong Wu et al., "Fuel Economy and Operating Characteristics of a Hydropneumatic Energy Storage Automobile", SAE Technical Paper Series, Paper No. 851678, 1985, 12 pages.		i
		Magnus Glavmo et al., "Closed Loop Start of Combustion Control Utilizing Ionization Sensing in a Diesel Engine", SAE Technical Paper Series, Paper No. 1999-01-0549, 1999, 12 pages.		
		S. Tollefson et al., "Studies of an Accumulator Energy-Storage Automobile Design with a Single Pump/Motor Unit", SAE Technical Paper Series, Paper No. 851677, 1985, 10 pages.		
		Delphi Automotive Systems, "Delphi Launches World's Most Advanced Common Rail Diesel System with Ford", Press Release, February 28, 2001		
		Dieser System with Ford , Press Release, February 28, 2001		-

Examiner Signature	Date Considered	

^{*} A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

⁺ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).